

Patent Abstracts of Japan

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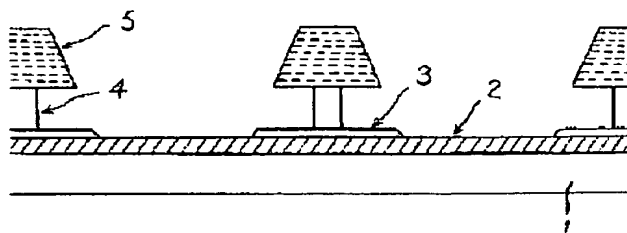
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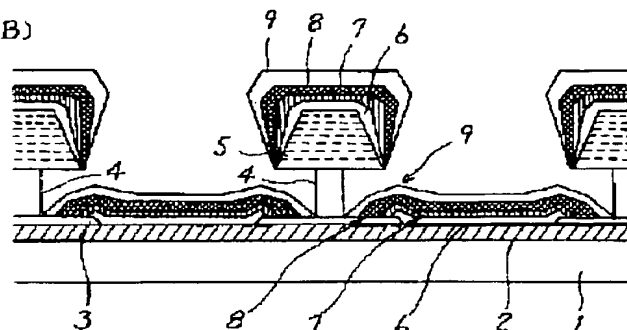
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TITLE : ORGANIC ELECTROLUMINESCENT
DISPLAY DEVICE AND
MANUFACTURE THEREOF

(A)



(B)



ABSTRACT : PROBLEM TO BE SOLVED: To facilitate element isolation, enhance reliability and increase a substrate scale by forming a photosensitive overhang body which is wider than a spacer and providing a protective film, etc.

SOLUTION: After a first electrode 2 is formed on a substrate 1, an insulating film 3, a spacer 4 and a film 5 which photosensitivity are formed, an undercut is generated under the film 5 by an etching and a photosensitive overhang body which is wider than the spacer 4 is formed. Next, an element isolation can always be facilitated by depositing an organic EL film 6 controlling light emission and carrier transportation and a second electrode 7 which directly comes into contact with the film 6. By forming a metal film 8 made of a stable metal film 8 and a protective film 9 on the film 8 by getting the films under the undercut, the films 8 and 9 are not exposed also in the tip parts of the film 6 and the electrode 7. As a result, luminescence is made uniform with a stable yield, reliability is enhanced and flexibility in a manufacturing process can be increased.

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